

Mast Mount Omnidirectional (MMO) Antennas

The MMO series base antenna provides outstanding coverage in a rugged U.V. stable, plastic radome with an aluminum base that is ideal for indoor or outdoor applications.

Features

- The MMO24005PTRPC provides a broad elevation pattern antenna radiation pattern that has been shaped to direct energy where it is needed, while suppressing the misdirected upper and lower sidelobe energy.
- Pipe mount is included for added convenience.
- Multiple band coverage supports 2.4 GHz and 5.15-5.8 GHz broadband networks, eliminating the need for a second or third antenna in POP locations where mounting space is limited or costly. (MMO24580608 model).
- Optimized elevation pattern, minimizes misdirected energy by suppressing sidelobe energy and directing the radiated energy towards the desired area of coverage.



Multiple band MMO24580608 omnidirectional antenna

Antenna Electrical Specifications

| Model | Frequency Range | Nominal Gain | H-plane Beamwidth | E-plane Beamwidth |
|------------------|----------------------------|-----------------|-------------------|-------------------|
| MMO24005PTNF | 2.4-2.485 GHz | 5.5 dBi +/-0.5 | 360° | 32° |
| MMO24005PTNM | 2.4-2.485 GHz | 5.5 dBi +/-0.5 | 360° | 32° |
| MMO24005PTRPC | 2.4-2.485 GHz | 5.5 dBi +/-0.5 | 360° | 32° |
| MMO24005PT36NF | 2.4-2.485 GHz | 5.5 dBi +/-0.5 | 360° | 32° |
| MMO24005PT36RPBN | 2.4-2.485 GHz | 5.5 dBi +/-0.5 | 360° | 32° |
| MMO24005PT36RPC | 2.4-2.485 GHz | 5.5 dBi +/-0.5 | 360° | 32° |
| MMO24580608NF | 2.4-2.48/ 5.15-5.85 GHz | 6 dBi/ 8 dBi | 360° | 22°/ 15° |

Mechanical Specifications

| Model | Antenna Height | Weight (Mass) | Bending Moment at Rated Wind | Lateral Thrust at Rated Wind | Equivalent Flat Plane Area |
|------------------|-------------------|------------------------|------------------------------|------------------------------|----------------------------|
| MMO24005PTNF | 11.3" (287 mm) | 0.5 lbs (0.23 kg) | 2.2 ft-lbs | 4.6 lbs | 0.5 ft ² |
| MMO24005PTNM | 11.3" (287 mm) | 0.5 lbs (0.23 kg) | 2.2 ft-lbs | 4.6 lbs | 0.5 ft ² |
| MMO24005PTRPC | 11.3" (287 mm) | 0.5 lbs (0.23 kg) | 2.2 ft-lbs | 4.6 lbs | 0.5 ft ² |
| MMO24005PT36NF | 11.3" (287 mm) | 0.5 lbs (0.23 kg) | 2.2 ft-lbs | 4.6 lbs | 0.5 ft ² |
| MMO24005PT36RPBN | 11.3" (287 mm) | 0.5 lbs (0.23 kg) | 2.2 ft-lbs | 4.6 lbs | 0.5 ft ² |
| MMO24005PT36RPC | 11.3" (287 mm) | 0.5 lbs (0.23 kg) | 2.2 ft-lbs | 4.6 lbs | 0.5 ft ² |
| MMO24580608NF | 26" (660.4 mm) | 0.50 lbs (0.226 kg) | 11.5 ft-lbs | 10.6 lbs | 0.12 ft ² |



Technical Data

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| Maximum Power: 25 watts |
| Polarization: Vertical linear |
| Normal Impedance: 50 ohms |
| VSWR: < 1.5:1 (MMO24005 series) < 2.0:1 (except MMO24005 series) |
| Wind Survival: 125 mph |
| Radome Material: White UV stable plastic |
| Connector: N female or N male. 12" or 36" RG-58/U pigtail with RP-TNC plug connector (MMO24005 series only). Other connector options available (MMO24005 series only). |
| Mounting Method: Pipe mount (included). MMOD Diversity mount bracket for MMO24005PTRPC (optional). |